APR 2 4 2006

SEQUENCE LISTING

* /		
<110>	Surmeier, D. James Tkatch, Tatiana Baranauskas, Gytis	
<120>	Manipulation of Neuronal Ion Channels	
<130>		
	10/761,557	
<141>	2004-01-21	
<160>	6	
<170>	PatentIn version 3.3	
<210>	1	
<211>		
<212>	DNA	
<213>	Rattus rattus	
<400>	1	
	tgtg acggagatc	19
<210>	2	
<211>		
<212>		
<213>	Rattus rattus	
-1005		
<400>	gagc agactccaa	19
ggaaacgage agacccaa		
.010.		
<210> <211>		
<211>		
	Rattus rattus	
	3	
gcagaa	tggt gacgctaat	19
<210>	4	
<211>	19	
<212>	DNA	
<213>	Rattus rattus	
<400>	4	
ggcagtgttg agccgaaac		

<210> 5 <211> 19 <212> DNA <213> Rattus rattus <400> 5 cagccacttc gactatgac 19 <210> 6 <211> 2858 <212> DNA <213> Rattus rattus <400> 6 gtgcgcttct ctgtctttct ggggttgggg ggggcgtgtc cccggcccgg agcatccttg 60 tgcttgcctc aaccttctga gaccccggac cccttggatt gagtcctcga ccctggtctt 120 cacctcctgc ctcccctagg ttcttcctgc caaatcccaa ccacctgtgc accacaaaaa 180 gccaactett cetgeteega gccceggggg ggtggggtgg ggggggaggea ggggcagage 240 cactetgeag aaggggeege caccacetee tgeeteetee teeteeaeea ceteeteete 300 ettetegtet cetececete eeegttetga egetgeetee ttgggaaggg tgtttggagg 360 gcagcggccg ccccaagccg gagccccgca gcgcttctta tgatcagctc ggtgtgtgtc 420 tectectace gegggegeaa gteggggaae aageeteegt ecaaaacatg tetgaaggag 480 gagatggcca agggcgaggc gtcggagaag atcatcatca acgtgggcgg cacgcgacat 540 gagacetace geageaceet gegeaceeta eegggeacee geettgeetg getggeggat 600 cccgacggcg ggggtcggcc agagtcggat ggcggcggtg caggcagcag cggcagcagc 660 ggcggcggcg ggggctgtga gttcttcttt gatcggcacc cgggtgtttt tgcctatgtg 720 ctcaactact accgcacggg caagetgcat tgccccgcag acgtctgtgg gcctctcttt 780 gaggaagagc tcactttctg gggtatcgat gagacagatg tggaaccctg ctgctggatg 840 acctaccggc agcaccgcga tgctgaagag gcactggaca tcttcgagag cccggacggg 900 ggcgggggtg gcgcagggcc cggcgacgag gctggagacg atgagcggga gttggccttg 960 cagegeetgg geececatga aggaggetet ggeeetggtg etgggteegg gggttgeegt 1020 ggctggcagc cccgaatgtg ggcgctcttc gaggacccgt actcatcccg ggcggccagg 1080 gtggtageet ttgeetetet ettetteate ttggteteea ttaceaeett etgeetggag 1140 acccacgagg ccttcaacat tgaccgaaat gtgacggaga tccaccgggt agggaatatc 1200 accagegtge getteeggeg ggaggtagaa acagaaceca ttettaceta categaggge 1260

1320 gtgtgcgtga tgtggttcac tctagagttc ctggttcgca ttgtgtgctg ccctgatacg ttggactttg tcaagaacct gctcaacatc atcgactttg tggccatctt gcccttttac 1380 1440 ctggaggtgg gattgagtgg cctgtcatcc aaggcagctc gagatgtgct gggtttcctg 1500 cgtgtggtgc gctttgtacg catcctgcgg atcttcaagc tcacacgcca ctttgtgggg 1560 etgegtgtge teggeeacae acteegggee ageaceaacg agtteetget gettateate 1620 ttcctggccc tgggtgtgct catctttgcc accatgatct attatgctga gcgaatcggg 1680 gccaggccat ctgacccacg gggcaatgac cacaccgact tcaagaacat ccccatcggt ttctggtggg ctgtggtcac catgacaacg cttggctatg gggacatgta tcctaagaca 1740 1800 tggtcaggaa tgctggtggg tgcgctgtgt gcactggctg gtgtgctaac cattgccatg 1860 cctgtgcctg tcatcgtcaa taactttggt atgtactact ccctggctat ggccaagcag aagcttccca agaaacgaaa gaagcatgta ccacggccac cccagcttga gtcacccatt 1920 1980 tactgcaagt ctgaggagac ttcacccegg gacagcacct acagtgacac cagcccccct gcccgggaag agggtatggt cgagaggaaa cgagcagact ccaagcagaa tggtgacgct 2040 aatgeggtge tgteegatga ggagggaget ggeeteacee ageecetgge eteggeecee 2100 acccctgaag agcgtcgagc cctgagacgc tcaggcacac gggacagaaa caagaaggca 2160 2220 gctgcctgct tcctgctcag tgctggggac tatgcctgtg ctgatggcag tgtccagaaa gaaggcagtg ttgagccgaa agcgtgcgtc ccagtgtctc acacctgtgc tctttaaaca 2280 2340 cagagacetg ccaagacgee etetegteea actatgeeca tgetgaagte eteaecetet cttagagcgg caccaacgtg agaaagacag acagacagaa agccagaggc ttaggaaaac 2400 2460 tctggaaccc aggcacgaat cttttgctgg gaaagatatc cttgtttgca caagactggt ggaaaaatct cccatgcaac tctcagggcc cagagccatc tgggtctgat actctgttct 2520 actgtacatt gaagagacat atatgcacat atagtatcta tattcataca tactatatac 2580 2640 tettgtgtgt agtgeaegtg etaetggtgg tetgtettea tegttagget atgteteeea 2700 agtectetge ccaecetgtt tecceacece etetteette atggattgtt tettetgace 2760 atgtttttgg agtgtcccag gagaggtata cctgggacct gcccctccag ctgggtggtc ccaggctgct ctcacttggg ggtgtcccct gccagcaggt ggcctgctga agtcagttga 2820 aggcacgatt gcccttctgg ggtcactgct tcactagc 2858